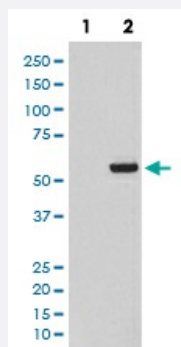


# MAPT (phospho S396) monoclonal antibody, clone FCO-13

Catalog # MAB20582      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of (1) SH-SY5Y cell lysate treated with AP, (2) SH-SY5Y cell lysate using MAPT (phospho S396) monoclonal antibody, clone FCO-13.

## Specification

|                            |                                                                                                                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit monoclonal antibody raised against synthetic phosphopeptide of human MAPT.                                                                                                                                 |
| <b>Immunogen</b>           | A synthetic phosphopeptide corresponding to residues surrounding S396 of human MAPT.                                                                                                                              |
| <b>Host</b>                | Rabbit                                                                                                                                                                                                            |
| <b>Reactivity</b>          | Human                                                                                                                                                                                                             |
| <b>Form</b>                | Liquid                                                                                                                                                                                                            |
| <b>Purification</b>        | Affinity purification                                                                                                                                                                                             |
| <b>Isotype</b>             | IgG                                                                                                                                                                                                               |
| <b>Recommend Usage</b>     | Immunocytochemistry (1:50-1:100)<br>Immunofluorescence (1:50-1:100)<br>Immunohistochemistry (1:100-1:500)<br>Western Blot (1:10000-1:20000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.4-0.5 mg/mL BSA, 0.02% sodium azide).                                                                                                                                |

**Storage Instruction**

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western Blot analysis of (1) SH-SY5Y cell lysate treated with AP, (2) SH-SY5Y cell lysate using MAPT (phospho S396) monoclonal antibody, clone FCO-13.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunocytochemistry

- Immunofluorescence

## Gene Info — MAPT

**Entrez GeneID**[4137](#)**Protein Accession#**[P10636](#)**Gene Name**

MAPT

**Gene Alias**

DDPAC, FLJ31424, FTDP-17, MAPTL, MGC138549, MSTD, MTBT1, MTBT2, PPND, TAU

**Gene Description**

microtubule-associated protein tau

**Omim ID**[157140](#) [168600](#) [172700](#) [260540](#) [600274](#) [601104](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. MAPT transcripts are differentially expressed in the nervous system, depending on stage of neuronal maturation and neuron type. MAPT gene mutations have been associated with several neurodegenerative disorders such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy. [provided by RefSeq]

**Other Designations**

G protein beta1/gamma2 subunit-interacting factor 1|microtubule-associated protein tau, isoform 4

## Pathway

- [MAPK signaling pathway](#)

## Disease

- [Alzheimer disease](#)
- [Amyloidosis](#)
- [Amyotrophic lateral sclerosis](#)
- [Aphasia](#)
- [Atherosclerosis](#)
- [Atrophy](#)
- [Autistic Disorder](#)
- [Brain Concussion](#)
- [Brain Diseases](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Craniofacial Abnormalities](#)
- [Creutzfeldt-Jakob Syndrome](#)
- [Dementia](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Disease Progression](#)

- [Dystonia](#)
- [Frontotemporal Dementia](#)
- [Frontotemporal Lobar Degeneration](#)
- [Genetic Predisposition to Disease](#)
- [Hallucinations](#)
- [Huntington disease](#)
- [Inversion](#)
- [Memory Disorders](#)
- [Mental Retardation](#)
- [Mental Status Schedule](#)
- [Metabolic Syndrome X](#)
- [Mouth Abnormalities](#)
- [Movement Disorders](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Nerve Degeneration](#)
- [Neurodegenerative Diseases](#)
- [Neuropsychological Tests](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Parkinson disease](#)
- [Parkinsonian Disorders](#)
- [Perceptual Disorders](#)
- [Pick Disease of the Brain](#)
- [Prion Diseases](#)

- [Psychomotor Disorders](#)
- [Psychomotor Performance](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Supranuclear Palsy](#)
- [Syndrome](#)
- [Tauopathies](#)
- [Thrombosis](#)
- [Tourette Syndrome](#)
- [Visual Perception](#)